



---

**Committee on the Peaceful  
Uses of Outer Space****Information furnished in conformity with the Convention  
on Registration of Objects Launched into Outer Space****Note verbale dated 12 August 2009 from the Permanent Mission  
of Japan to the United Nations (Vienna) addressed to the  
Secretary-General**

The Permanent Mission of Japan to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit information concerning Japanese satellites SUPERBIRD-7 (international designator 2008-038A), GOSAT "IBUKI" (international designator 2009-002A), PRISM "Hitomi" (international designator 2009-002B), SOHLA-1 "MAIDO-1" (international designator 2009-002E), SDS-1 (international designator 2009-002F) and STARS "Kukai" (international designator 2009-002G) (see annex).



## Annex

### Registration data for space objects launched by Japan\*

#### SUPERBIRD-7

Committee on Space Research international designator:	2008-038A
Name of flight object:	SUPERBIRD-7
National designator:	2008-038A
Name of launching State:	Japan
Date and territory or location of launch:	
Date and time of launch:	14 August 2008 at 20:44 hrs (GMT)
Location of launch:	Kourou, French Guiana
Basic orbital parameters:	
Nodal period:	1,440 minutes
Inclination:	0.014 degrees
Apogee:	35,793 kilometres
Perigee:	35,782 kilometres
General function:	Satellite communications and broadcasting
Launch vehicle:	Ariane 5 ECA
Launching organization:	–
Decay date:	–

#### GOSAT “IBUKI”

Name of flight object:	Greenhouse Gases Observing Satellite “IBUKI” (GOSAT)
Designator:	2009-002A
Name of launching State:	Japan
Date and territory or location of launch:	
Date and time of launch:	23 January 2009 at 03:54 hrs (GMT)
Location of launch:	Tanegashima Space Centre, Kagoshima, Japan
Basic orbital parameters (as at 10 April 2009):	
Nodal period:	98.1 minutes

\* The registration data are reproduced in the form in which they were received.

Inclination:	98.1 degrees
Apogee:	676.8 kilometres
Perigee:	655.7 kilometres
General function:	GOSAT is a satellite that observes the concentration distribution of greenhouse gases from outer space. Its purpose is to contribute to the international effort towards the prevention of global warming, including the monitoring of greenhouse gas absorption and emission states.  GOSAT is equipped with the following sensors: (a) greenhouse gas observation sensor (TANSO-FTS); and (b) cloud and aerosol sensor (TANSO-CAI).
Launch vehicle:	H-IIA Launch Vehicle F15 (H-IIA F15)
Launching organization:	Mitsubishi Heavy Industries, Ltd/ Japan Aerospace Exploration Agency
Decay date:	–

### **PRISM “Hitomi”**

Name of flight object:	Nano-satellite PRISM “Hitomi”
Designator:	2009-002B
Name of launching State:	Japan
Date and territory or location of launch:	
Date and time of launch:	23 January 2009 at 03:54 hrs (GMT)
Location of launch:	Tanegashima Space Centre, Kagoshima, Japan
Basic orbital parameters (as at 5 May 2009):	
Nodal period:	97 minutes
Inclination:	98.1 degrees
Apogee:	642 kilometres
Perigee:	613 kilometres
General function:	Earth image capture using an extensible optical system and amateur radio frequency communication experiment
Launch vehicle:	H-IIA Launch Vehicle F15 (H-IIA F15)

Launching organization: Mitsubishi Heavy Industries, Ltd/  
Japan Aerospace Exploration Agency

Decay date: –

### **SOHLA-1 “MAIDO-1”**

Name of flight object: SOHLA-1 “MAIDO-1”

Designator: 2009-002E

Name of launching State: Japan

Date and territory or location of launch:

Date and time of launch: 23 January 2009 at 03:54 hrs (GMT)

Location of launch: Tanegashima Space Centre,  
Kagoshima, Japan

Basic orbital parameters (as at 23 January 2009):

Nodal period: 98.0 minutes

Inclination: 98.0 degrees

Apogee: 675.5 kilometres

Perigee: 651.6 kilometres

General function: Lightning observation experiment

Launch vehicle: H-IIA Launch Vehicle F15 (H-IIA F15)

Launching organization: Mitsubishi Heavy Industries, Ltd/  
Japan Aerospace Exploration Agency

Decay date: –

### **SDS-1**

Name of flight object: Small Demonstration Satellite 1  
(SDS-1)

Designator: 2009-002F

Name of launching State: Japan

Date and territory or location of launch:

Date and time of launch: 23 January 2009 at 03:54 hrs (GMT)

Location of launch: Tanegashima Space Centre,  
Kagoshima, Japan

Basic orbital parameters (as at 6 March 2009):

Nodal period: 98.1 minutes

Inclination: 98.0 degrees

Apogee: 678.3 kilometres

---

Perigee:	659.3 kilometres
General function:	Demonstration of new technology devices and components such as a multi-mode integrated transponder (MTP), the Space Wire Demonstration Module (SWIM) and the Advanced micro-processing In-Orbit Experiment (AMI) to improve the reliability of operational satellites.
Launch vehicle:	H-IIA Launch Vehicle F15 (H-IIA F15)
Launching organization:	Mitsubishi Heavy Industries, Ltd/ Japan Aerospace Exploration Agency
Decay date:	–

### **STARS “KUKAI”**

Name of flight object:	STARS “KUKAI”
Designator:	2009-002G
Name of launching State:	Japan
Date and territory or location of launch:	
Date and time of launch:	23 January 2009 at 03:54 hrs (GMT)
Location of launch:	Tanegashima Space Centre, Kagoshima, Japan
Basic orbital parameters (as at 23 January 2009):	
Nodal period:	98 minutes
Inclination:	98.0 degrees
Apogee:	667 kilometres
Perigee:	647 kilometres
General function:	Tether deployment experiment by mother and daughter satellites. Technical verification experiment for a tethered space robot. Space development through local cooperation.
Launch vehicle:	H-IIA Launch Vehicle F15 (H-IIA F15)
Launching organization:	Mitsubishi Heavy Industries, Ltd/Japan Aerospace Exploration Agency
Decay date:	–

---